

George A O'toole

List of Publications by Year in descending order

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175
papers

31,835
citations

10956

71
h-index

6282

158
g-index

187
all docs

187
docs citations

187
times ranked

25933
citing authors

#	ARTICLE	IF	CITATIONS
1	The Diguanylate Cyclase YfiN of <i>Pseudomonas aeruginosa</i> Regulates Biofilm Maintenance in Response to Peroxide. <i>Journal of Bacteriology</i> , 2022, 204, JB0039621.	1.0	8
2	2021 Jack Kenney Award for Outstanding Service. <i>Journal of Bacteriology</i> , 2022, 204, e0052321.	1.0	1
3	Broadcasting of amplitude- and frequency-modulated c-di-GMP signals facilitates cooperative surface commitment in bacterial lineages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	4
4	Force-Induced Changes of PilY1 Drive Surface Sensing by <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2022, 13, e0375421.	1.8	15
5	Rapid expansion and extinction of antibiotic resistance mutations during treatment of acute bacterial respiratory infections. <i>Nature Communications</i> , 2022, 13, 1231.	5.8	22
6	Biofilm Maintenance as an Active Process: Evidence that Biofilms Work Hard to Stay Put. <i>Journal of Bacteriology</i> , 2022, 204, e0058721.	1.0	13
7	Nonmotile Subpopulations of <i>Pseudomonas aeruginosa</i> Repress Flagellar Motility in Motile Cells through a Type IV Pilus- and Pel-Dependent Mechanism. <i>Journal of Bacteriology</i> , 2022, 204, e0052821.	1.0	5
8	Structural basis for environmental sensing in <i>Pseudomonas fluorescens</i> . <i>FASEB Journal</i> , 2022, 36, .	0.2	0
9	Roberto Kolter and Many Images of Microbiology. <i>Journal of Bacteriology</i> , 2022, , e0015322.	1.0	0
10	Roadmap on emerging concepts in the physical biology of bacterial biofilms: from surface sensing to community formation. <i>Physical Biology</i> , 2021, 18, 051501.	0.8	46
11	<i>Pseudomonas aeruginosa</i> Uses c-di-GMP Phosphodiesterases RmcA and MorA To Regulate Biofilm Maintenance. <i>MBio</i> , 2021, 12, .	1.8	25
12	Metabolic Modeling to Interrogate Microbial Disease: A Tale for Experimentalists. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 634479.	1.6	7
13	One versus Many: Polymicrobial Communities and the Cystic Fibrosis Airway. <i>MBio</i> , 2021, 12, .	1.8	11
14	Interaction between the type 4 pili machinery and a diguanylate cyclase fine-tune c-di-GMP levels during early biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	29
15	Architecture of cell-cell junctions in situ reveals a mechanism for bacterial biofilm inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
16	Mild Cystic Fibrosis Lung Disease Is Associated with Bacterial Community Stability. <i>Microbiology Spectrum</i> , 2021, 9, e0002921.	1.2	10
17	Differential Surface Competition and Biofilm Invasion Strategies of <i>Pseudomonas aeruginosa</i> PA14 and PAO1. <i>Journal of Bacteriology</i> , 2021, 203, e0026521.	1.0	7
18	Model Systems to Study the Chronic, Polymicrobial Infections in Cystic Fibrosis: Current Approaches and Exploring Future Directions. <i>MBio</i> , 2021, 12, e0176321.	1.8	26

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19	The Gut-Lung Axis in Cystic Fibrosis. <i>Journal of Bacteriology</i> , 2021, 203, e0031121.	1.0	44
20	Gross transcriptomic analysis of <i>Pseudomonas putida</i> for diagnosing environmental shifts. <i>Microbial Biotechnology</i> , 2020, 13, 263-273.	2.0	7
21	<i>Pseudomonas aeruginosa</i> PA14 Enhances the Efficacy of Norfloxacin against <i>Staphylococcus aureus</i> Newman Biofilms. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	20
22	From Input to Output: The Lap/c-di-GMP Biofilm Regulatory Circuit. <i>Annual Review of Microbiology</i> , 2020, 74, 607-631.	2.9	39
23	Lung function and microbiota diversity in cystic fibrosis. <i>Microbiome</i> , 2020, 8, 45.	4.9	138
24	MapA, a Second Large RTX Adhesin Conserved across the Pseudomonads, Contributes to Biofilm Formation by <i>Pseudomonas fluorescens</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	18
25	Availability of Zinc Impacts Interactions between <i>Streptococcus sanguinis</i> and <i>Pseudomonas aeruginosa</i> in Coculture. <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	12
26	Social Cooperativity of Bacteria during Reversible Surface Attachment in Young Biofilms: a Quantitative Comparison of <i>Pseudomonas aeruginosa</i> PA14 and PAO1. <i>MBio</i> , 2020, 11, .	1.8	47
27	Exogenous Alginate Protects <i>Staphylococcus aureus</i> from Killing by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2020, 202, .	1.0	42
28	Age and environmental exposures influence the fecal bacteriome of young children with cystic fibrosis. <i>Pediatric Pulmonology</i> , 2020, 55, 1661-1670.	1.0	22
29	<i>Pseudomonas aeruginosa</i> Increases the Sensitivity of Biofilm-Grown <i>Staphylococcus aureus</i> to Membrane-Targeting Antiseptics and Antibiotics. <i>MBio</i> , 2019, 10, .	1.8	63
30	Altered Stool Microbiota of Infants with Cystic Fibrosis Shows a Reduction in Genera Associated with Immune Programming from Birth. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	60
31	Lying in Wait: Modeling the Control of Bacterial Infections via Antibiotic-Induced Proviruses. <i>MSystems</i> , 2019, 4, .	1.7	5
32	“It Takes a Village” Mechanisms Underlying Antimicrobial Recalcitrance of Polymicrobial Biofilms. <i>Journal of Bacteriology</i> , 2019, 202, .	1.0	107
33	Glycocluster Tetrahydroxamic Acids Exhibiting Unprecedented Inhibition of <i>Pseudomonas aeruginosa</i> Biofilms. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 7722-7738.	2.9	17
34	Special Meeting Issue for the 8th ASM Conference on Biofilms. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	0
35	<i>Pseudomonas aeruginosa</i> Can Inhibit Growth of Streptococcal Species via Siderophore Production. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	15
36	<i>Bordetella bronchiseptica</i> Diguanylate Cyclase BdcA Regulates Motility and Is Important for the Establishment of Respiratory Infection in Mice. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	6

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37	Ethanol Decreases <i>Pseudomonas aeruginosa</i> Flagellar Motility through the Regulation of Flagellar Stators. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	25
38	Metabolic Modeling of Cystic Fibrosis Airway Communities Predicts Mechanisms of Pathogen Dominance. <i>MSystems</i> , 2019, 4, .	1.7	30
39	The Yin and Yang of <i>Streptococcus</i> Lung Infections in Cystic Fibrosis: a Model for Studying Polymicrobial Interactions. <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	24
40	Flagellar Stators Stimulate c-di-GMP Production by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2019, 201, .	1.0	52
41	Interspecies interactions induce exploratory motility in <i>Pseudomonas aeruginosa</i> . <i>ELife</i> , 2019, 8, .	2.8	56
42	An N-Terminal Retention Module Anchors the Giant Adhesin LapA of <i>Pseudomonas fluorescens</i> at the Cell Surface: a Novel Subfamily of Type I Secretion Systems. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	44
43	A Multimodal Strategy Used by a Large c-di-GMP Network. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	52
44	Multigenerational memory and adaptive adhesion in early bacterial biofilm communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4471-4476.	3.3	132
45	Cystic Fibrosis Airway Microbiome: Overturning the Old, Opening the Way for the New. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	49
46	Co-opting the Lap System of <i>Pseudomonas fluorescens</i> To Reversibly Customize Bacterial Cell Surfaces. <i>ACS Synthetic Biology</i> , 2018, 7, 2612-2617.	1.9	8
47	Ligand-Mediated Biofilm Formation via Enhanced Physical Interaction between a Diguanylate Cyclase and Its Receptor. <i>MBio</i> , 2018, 9, .	1.8	36
48	Special Sections for the 6th ASM Conference on Cell-Cell Communication in Bacteria. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	0
49	Type 1 Does the Two-Step: Type 1 Secretion Substrates with a Functional Periplasmic Intermediate. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	44
50	Role of Cyclic Di-GMP and Exopolysaccharide in Type IV Pilus Dynamics. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	32
51	Bacteria, Rev Your Engines: Stator Dynamics Regulate Flagellar Motility. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	42
52	<i>Pseudomonas aeruginosa</i> Alginate Overproduction Promotes Coexistence with <i>Staphylococcus aureus</i> in a Model of Cystic Fibrosis Respiratory Infection. <i>MBio</i> , 2017, 8, .	1.8	124
53	Special Meeting Sections for the 6th ASM Conference on Beneficial Microbes. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	0
54	Special Meeting Sections for the ASM Conference on Mechanisms of Interbacterial Cooperation and Competition. <i>Journal of Bacteriology</i> , 2017, 199, .	1.0	0

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55	High-Speed 4D-Computational Microscopy of Bacterial Surface Motility. ACS Nano, 2017, 11, 9340-9351.	7.3	23
56	An Antipersister Strategy for Treatment of Chronic Pseudomonas aeruginosa Infections. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	32
57	<i>Pseudomonas aeruginosa</i> Alters <i>Staphylococcus aureus</i> Sensitivity to Vancomycin in a Biofilm Model of Cystic Fibrosis Infection. MBio, 2017, 8, .	1.8	136
58	A Symphony of Cyclases: Specificity in Diguanylate Cyclase Signaling. Annual Review of Microbiology, 2017, 71, 179-195.	2.9	82
59	Cyanide Toxicity to Burkholderia cenocepacia Is Modulated by Polymicrobial Communities and Environmental Factors. Frontiers in Microbiology, 2016, 7, 725.	1.5	37
60	Classic Spotlight: Plate Counting You Can Count On. Journal of Bacteriology, 2016, 198, 3127-3127.	1.0	13
61	The Inhibitory Site of a Diguanylate Cyclase Is a Necessary Element for Interaction and Signaling with an Effector Protein. Journal of Bacteriology, 2016, 198, 1595-1603.	1.0	44
62	Classic Spotlight: Cyclic Di-GMP, the Molecule That Makes the Bacterial World Stop Going Round. Journal of Bacteriology, 2016, 198, 1553-1553.	1.0	0
63	PilZ Domain Protein FlgZ Mediates Cyclic Di-GMP-Dependent Swarming Motility Control in Pseudomonas aeruginosa. Journal of Bacteriology, 2016, 198, 1837-1846.	1.0	96
64	Requirements for Pseudomonas aeruginosa Type I-F CRISPR-Cas Adaptation Determined Using a Biofilm Enrichment Assay. Journal of Bacteriology, 2016, 198, 3080-3090.	1.0	19
65	Special Meeting Sections for the 7th ASM Conference on Biofilms. Journal of Bacteriology, 2016, 198, 2551-2551.	1.0	0
66	Classic Spotlight: Bacteroides thetaiotaomicron, Starch Utilization, and the Birth of the Microbiome Era. Journal of Bacteriology, 2016, 198, 2763-2763.	1.0	3
67	Classic Spotlight: How the Gram Stain Works. Journal of Bacteriology, 2016, 198, 3128-3128.	1.0	18
68	Classic Spotlight: Quorum Sensing and the Multicellular Life of Unicellular Organisms. Journal of Bacteriology, 2016, 198, 601-601.	1.0	6
69	Special Meeting Sections. Journal of Bacteriology, 2016, 198, i.	1.0	0
70	Classic Spotlight: Before They Were Biofilms. Journal of Bacteriology, 2016, 198, 5-5.	1.0	3
71	Friendly Fire: Biological Functions and Consequences of Chromosomal Targeting by CRISPR-Cas Systems. Journal of Bacteriology, 2016, 198, 1481-1486.	1.0	31
72	Sensational biofilms: surface sensing in bacteria. Current Opinion in Microbiology, 2016, 30, 139-146.	2.3	159

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73	Tobramycin-Treated <i>Pseudomonas aeruginosa</i> PA14 Enhances <i>Streptococcus constellatus</i> 7155 Biofilm Formation in a Cystic Fibrosis Model System. <i>Journal of Bacteriology</i> , 2016, 198, 237-247.	1.0	29
74	Cyclic Di-GMP-Regulated Periplasmic Proteolysis of a <i>Pseudomonas aeruginosa</i> Type Vb Secretion System Substrate. <i>Journal of Bacteriology</i> , 2016, 198, 66-76.	1.0	44
75	Contribution of Physical Interactions to Signaling Specificity between a Diguanylate Cyclase and Its Effector. <i>MBio</i> , 2015, 6, e01978-15.	1.8	65
76	c-di-GMP and its Effects on Biofilm Formation and Dispersion: a <i>Pseudomonas Aeruginosa</i> Review. <i>Microbiology Spectrum</i> , 2015, 3, MB-0003-2014.	1.2	252
77	A Hierarchical Cascade of Second Messengers Regulates <i>Pseudomonas aeruginosa</i> Surface Behaviors. <i>MBio</i> , 2015, 6, .	1.8	182
78	Cystic Fibrosis Lung Infections: Polymicrobial, Complex, and Hard to Treat. <i>PLoS Pathogens</i> , 2015, 11, e1005258.	2.1	165
79	Cyclic Di-GMP-Mediated Repression of Swarming Motility by <i>Pseudomonas aeruginosa</i> PA14 Requires the MotAB Stator. <i>Journal of Bacteriology</i> , 2015, 197, 420-430.	1.0	101
80	Clustered Regularly Interspaced Short Palindromic Repeat-Dependent, Biofilm-Specific Death of <i>Pseudomonas aeruginosa</i> Mediated by Increased Expression of Phage-Related Genes. <i>MBio</i> , 2015, 6, e00129-15.	1.8	48
81	Coculture of <i>Staphylococcus aureus</i> with <i>Pseudomonas aeruginosa</i> Drives <i>S. aureus</i> towards Fermentative Metabolism and Reduced Viability in a Cystic Fibrosis Model. <i>Journal of Bacteriology</i> , 2015, 197, 2252-2264.	1.0	272
82	Associations between Gut Microbial Colonization in Early Life and Respiratory Outcomes in Cystic Fibrosis. <i>Journal of Pediatrics</i> , 2015, 167, 138-147.e3.	0.9	131
83	Mannitol Does Not Enhance Tobramycin Killing of <i>Pseudomonas aeruginosa</i> in a Cystic Fibrosis Model System of Biofilm Formation. <i>PLoS ONE</i> , 2015, 10, e0141192.	1.1	16
84	Environmental Control of Cyclic Di-GMP Signaling in <i>Pseudomonas fluorescens</i> : from Signal to Output. , 2014, , 282-290.		1
85	Structural Features of the <i>Pseudomonas fluorescens</i> Biofilm Adhesin LapA Required for LapG-Dependent Cleavage, Biofilm Formation, and Cell Surface Localization. <i>Journal of Bacteriology</i> , 2014, 196, 2775-2788.	1.0	83
86	<i>Candida albicans</i> Ethanol Stimulates <i>Pseudomonas aeruginosa</i> WspR-Controlled Biofilm Formation as Part of a Cyclic Relationship Involving Phenazines. <i>PLoS Pathogens</i> , 2014, 10, e1004480.	2.1	132
87	Investigating the Link Between Imipenem Resistance and Biofilm Formation by <i>Pseudomonas aeruginosa</i> . <i>Microbial Ecology</i> , 2014, 68, 111-120.	1.4	25
88	Iron supplementation does not worsen respiratory health or alter the sputum microbiome in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2014, 13, 311-318.	0.3	28
89	Plate-Based Assay for Swimming Motility in <i>Pseudomonas aeruginosa</i> . <i>Methods in Molecular Biology</i> , 2014, 1149, 59-65.	0.4	118
90	Deletion Mutant Library for Investigation of Functional Outputs of Cyclic Diguanylate Metabolism in <i>Pseudomonas aeruginosa</i> PA14. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3384-3393.	1.4	89

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91	Single-Molecule Analysis of <i>Pseudomonas fluorescens</i> Footprints. ACS Nano, 2014, 8, 1690-1698.	7.3	31
92	Surface attachment induces <i>Pseudomonas aeruginosa</i> virulence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16860-16865.	3.3	187
93	Nanoscale Adhesion Forces of <i>Pseudomonas aeruginosa</i> Type IV Pili. ACS Nano, 2014, 8, 10723-10733.	7.3	141
94	Epoxide-Mediated Differential Packaging of Cif and Other Virulence Factors into Outer Membrane Vesicles. Journal of Bacteriology, 2014, 196, 3633-3642.	1.0	24
95	The microbiome in pediatric cystic fibrosis patients: the role of shared environment suggests a window of intervention. Microbiome, 2014, 2, 14.	4.9	46
96	Single-Cell and Single-Molecule Analysis Deciphers the Localization, Adhesion, and Mechanics of the Biofilm Adhesin LapA. ACS Chemical Biology, 2014, 9, 485-494.	1.6	60
97	The microbiota regulates susceptibility to Fas-mediated acute hepatic injury. Laboratory Investigation, 2014, 94, 938-949.	1.7	30
98	Characterization and quantification of the fungal microbiome in serial samples from individuals with cystic fibrosis. Microbiome, 2014, 2, 40.	4.9	128
99	Plate-Based Assay for Swarming Motility in <i>Pseudomonas aeruginosa</i> . Methods in Molecular Biology, 2014, 1149, 67-72.	0.4	82
100	Mechanistic insight into the conserved allosteric regulation of periplasmic proteolysis by the signaling molecule cyclic-di-GMP. ELife, 2014, 3, e03650.	2.8	41
101	Unique microbial communities persist in individual cystic fibrosis patients throughout a clinical exacerbation. Microbiome, 2013, 1, 27.	4.9	126
102	Pouring Salt on a Wound: <i>Pseudomonas aeruginosa</i> Virulence Factors Alter Na ⁺ and Cl ⁻ Flux in the Lung. Journal of Bacteriology, 2013, 195, 4013-4019.	1.0	50
103	Does the F508-CFTR mutation induce a proinflammatory response in human airway epithelial cells?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L509-L518.	1.3	28
104	Iron Homeostasis during Cystic Fibrosis Pulmonary Exacerbation. Clinical and Translational Science, 2012, 5, 368-373.	1.5	29
105	Structural Characterization of a Conserved, Calcium-Dependent Periplasmic Protease from <i>Legionella pneumophila</i> . Journal of Bacteriology, 2012, 194, 4415-4425.	1.0	48
106	In vitro evaluation of tobramycin and aztreonam versus <i>Pseudomonas aeruginosa</i> biofilms on cystic fibrosis-derived human airway epithelial cells. Journal of Antimicrobial Chemotherapy, 2012, 67, 2673-2681.	1.3	60
107	LapG, Required for Modulating Biofilm Formation by <i>Pseudomonas fluorescens</i> Pf0-1, Is a Calcium-Dependent Protease. Journal of Bacteriology, 2012, 194, 4406-4414.	1.0	60
108	Diphosphonium Ionic Liquids as Broad-Spectrum Antimicrobial Agents. Cornea, 2012, 31, 810-816.	0.9	45

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109	Second Messenger Regulation of Biofilm Formation: Breakthroughs in Understanding c-di-GMP Effector Systems. <i>Annual Review of Cell and Developmental Biology</i> , 2012, 28, 439-462.	4.0	216
110	The CRISPR/Cas Adaptive Immune System of <i>Pseudomonas aeruginosa</i> Mediates Resistance to Naturally Occurring and Engineered Phages. <i>Journal of Bacteriology</i> , 2012, 194, 5728-5738.	1.0	248
111	Epoxide-Mediated CifR Repression of <i>cif</i> Gene Expression Utilizes Two Binding Sites in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2012, 194, 5315-5324.	1.0	16
112	Atomic force and super-resolution microscopy support a role for LapA as a cell-surface biofilm adhesin of <i>Pseudomonas fluorescens</i> . <i>Research in Microbiology</i> , 2012, 163, 685-691.	1.0	50
113	Growing and Analyzing Static Biofilms. <i>Current Protocols in Microbiology</i> , 2011, 22, 1B.1.1.	6.5	160
114	Modulation of <i>Pseudomonas aeruginosa</i> surface-associated group behaviors by individual amino acids through c-di-GMP signaling. <i>Research in Microbiology</i> , 2011, 162, 680-688.	1.0	120
115	Microtiter Dish Biofilm Formation Assay. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	1,259
116	A <i>Pseudomonas aeruginosa</i> Toxin that Hijacks the Host Ubiquitin Proteolytic System. <i>PLoS Pathogens</i> , 2011, 7, e1001325.	2.1	96
117	A c-di-GMP Effector System Controls Cell Adhesion by Inside-Out Signaling and Surface Protein Cleavage. <i>PLoS Biology</i> , 2011, 9, e1000587.	2.6	212
118	All together now: Integrating biofilm research across disciplines. <i>MRS Bulletin</i> , 2011, 36, 339-342.	1.7	40
119	Systematic Analysis of Diguanylate Cyclases That Promote Biofilm Formation by <i>Pseudomonas fluorescens</i> Pf0-1. <i>Journal of Bacteriology</i> , 2011, 193, 4685-4698.	1.0	113
120	Non-Identity-Mediated CRISPR-Bacteriophage Interaction Mediated via the Csy and Cas3 Proteins. <i>Journal of Bacteriology</i> , 2011, 193, 3433-3445.	1.0	137
121	Structural Basis for c-di-GMP-Mediated Inside-Out Signaling Controlling Periplasmic Proteolysis. <i>PLoS Biology</i> , 2011, 9, e1000588.	2.6	159
122	Sugar fatty acid esters inhibit biofilm formation by food-borne pathogenic bacteria. <i>International Journal of Food Microbiology</i> , 2010, 138, 176-180.	2.1	55
123	Cyclic-di-GMP-Mediated Repression of Swarming Motility by <i>Pseudomonas aeruginosa</i> : the <i>pilY1</i> Gene and Its Impact on Surface-Associated Behaviors. <i>Journal of Bacteriology</i> , 2010, 192, 2950-2964.	1.0	134
124	Di-Adenosine Tetraphosphate (Ap4A) Metabolism Impacts Biofilm Formation by <i>Pseudomonas fluorescens</i> via Modulation of c-di-GMP-Dependent Pathways. <i>Journal of Bacteriology</i> , 2010, 192, 3011-3023.	1.0	55
125	<i>Pseudomonas aeruginosa</i> Evasion of Phagocytosis Is Mediated by Loss of Swimming Motility and Is Independent of Flagellum Expression. <i>Infection and Immunity</i> , 2010, 78, 2937-2945.	1.0	121
126	Specific Control of <i>Pseudomonas aeruginosa</i> Surface-Associated Behaviors by Two c-di-GMP Diguanylate Cyclases. <i>MBio</i> , 2010, 1, .	1.8	165

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127	Aminoglycoside resistance of <i>Pseudomonas aeruginosa</i> biofilms modulated by extracellular polysaccharide. <i>International Microbiology</i> , 2010, 13, 207-12.	1.1	82
128	A <i>Pseudomonas aeruginosa</i> toxin (Cif) reduces plasma membrane CFTR by inactivating the deubiquitinating enzyme USP10. <i>FASEB Journal</i> , 2010, 24, 610.14.	0.2	0
129	Flagellum-Mediated Biofilm Defense Mechanisms of <i>Pseudomonas aeruginosa</i> against Host-Derived Lactoferrin. <i>Infection and Immunity</i> , 2009, 77, 4559-4566.	1.0	27
130	LapD is a bis-(3 α ,5 α)-cyclic dimeric GMP-binding protein that regulates surface attachment by <i>Pseudomonas fluorescens</i> Pf0 α 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3461-3466.	3.3	281
131	Interaction between Bacteriophage DMS3 and Host CRISPR Region Inhibits Group Behaviors of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2009, 191, 210-219.	1.0	237
132	Long-Distance Delivery of Bacterial Virulence Factors by <i>Pseudomonas aeruginosa</i> Outer Membrane Vesicles. <i>PLoS Pathogens</i> , 2009, 5, e1000382.	2.1	486
133	Tobramycin and FDA-Approved Iron Chelators Eliminate <i>Pseudomonas aeruginosa</i> Biofilms on Cystic Fibrosis Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 41, 305-313.	1.4	172
134	The developmental model of microbial biofilms: ten years of a paradigm up for review. <i>Trends in Microbiology</i> , 2009, 17, 73-87.	3.5	481
135	<i>Pseudomonas aeruginosa</i> toxin (Cif) induces lysosomal degradation of CFTR. <i>FASEB Journal</i> , 2009, 23, 998.17.	0.2	0
136	<i>Pseudomonas aeruginosa</i> biofilm formation in the cystic fibrosis airway. <i>Pulmonary Pharmacology and Therapeutics</i> , 2008, 21, 595-599.	1.1	272
137	The F508-CFTR mutation results in increased biofilm formation by <i>Pseudomonas aeruginosa</i> by increasing iron availability. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L25-L37.	1.3	157
138	Genetic Evidence for an Alternative Citrate-Dependent Biofilm Formation Pathway in <i>Staphylococcus aureus</i> That Is Dependent on Fibronectin Binding Proteins and the GraRS Two-Component Regulatory System. <i>Infection and Immunity</i> , 2008, 76, 2469-2477.	1.0	70
139	Cif Is Negatively Regulated by the TetR Family Repressor CifR. <i>Infection and Immunity</i> , 2008, 76, 3197-3206.	1.0	37
140	In Vitro Analysis of Tobramycin-Treated <i>Pseudomonas aeruginosa</i> Biofilms on Cystic Fibrosis-Derived Airway Epithelial Cells. <i>Infection and Immunity</i> , 2008, 76, 1423-1433.	1.0	163
141	How <i>Pseudomonas aeruginosa</i> Regulates Surface Behaviors. <i>Microbe Magazine</i> , 2008, 3, 65-71.	0.4	13
142	<i>Pseudomonas aeruginosa</i> toxin reduces MHC class I antigen presentation. <i>FASEB Journal</i> , 2008, 22, 860.9.	0.2	0
143	The <i>Pseudomonas aeruginosa</i> Secreted Protein PA2934 Decreases Apical Membrane Expression of the Cystic Fibrosis Transmembrane Conductance Regulator. <i>Infection and Immunity</i> , 2007, 75, 3902-3912.	1.0	107
144	SadC Reciprocally Influences Biofilm Formation and Swarming Motility via Modulation of Exopolysaccharide Production and Flagellar Function. <i>Journal of Bacteriology</i> , 2007, 189, 8154-8164.	1.0	247

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145	BifA, a Cyclic-Di-GMP Phosphodiesterase, Inversely Regulates Biofilm Formation and Swarming Motility by <i>Pseudomonas aeruginosa</i> PA14. <i>Journal of Bacteriology</i> , 2007, 189, 8165-8178.	1.0	350
146	Roles for flagellar stators in biofilm formation by <i>Pseudomonas aeruginosa</i> . <i>Research in Microbiology</i> , 2007, 158, 471-477.	1.0	112
147	Inverse Regulation of Biofilm Formation and Swarming Motility by <i>Pseudomonas aeruginosa</i> PA14. <i>Journal of Bacteriology</i> , 2007, 189, 3603-3612.	1.0	255
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